

DAFTAR PUSTAKA

1. Lindsay MP, Norrving B, Sacco RL, Brainin M, Hacke W, Martins S, et al. World Stroke Organization (WSO): Global Stroke Fact Sheet 2019. *International Journal of Stroke*. 2019Oct29;14(8):806–17.
2. Geneva. Global Health Estimates 2020: Deaths by Cause, Age, Sex, by Country and by Region, 2000-2019. World Health Organization; 2020
3. Tim Riskesdas 2018. Laporan Nasional Riskesdas 2018. Lembaga Penerbit Badan Penelitian dan Pengembangan Kesehatan (LBP). 2018.
4. Johnson W, Onuma O, Owolabi M, Sachdev S. Stroke: a global response is needed. *Bulletin of the World Health Organization*. 2016;94(9).
5. Aprianda Rantri. Infodatin Stroke 2019. Kementerian Kesehatan Republik Indonesia. 2019.
6. Sultradewi Kesuma NM, Krismashogi Dharmawan D, Fatmawati H. Gambaran faktor risiko dan tingkat risiko stroke iskemik berdasarkan stroke risk scorecard di RSUD Klungkung. *Intisari Sains Medis*. 2019;10(3).
7. Rahman Abdul. Karakteristik Penderita Stroke Iskemik Akut Di Rumah Sakit Umum Pusat Haji Adam Malik Medan Tahun 2016 [Internet]. 2016 [4 Mei 2021]. Diakses dari: <http://repositori.usu.ac.id/>
8. Unnithan AKA. Hemorrhagic Stroke [Internet]. StatPearls [Internet]. U.S. National Library of Medicine; 2021 [4 Mei 2021]. Diakses dari: <https://www.ncbi.nlm.nih.gov/books/NBK559173/>
9. Campbell BC, De Silva DA, Macleod MR, Coutts SB, Schwamm LH, Davis SM, et al. Ischaemic stroke. *Nature Reviews Disease Primers*. 2019Oct10;5(1).
10. Guzik A, Bushnell C. Stroke Epidemiology and Risk Factor Management. *CONTINUUM: Lifelong Learning in Neurology*. 2017Feb23;23(1):15–39.

11. Powers WJ, Rabinstein AA, Ackerson T, Adeoye OM, Bambakidis NC, Becker K, et al. Guidelines for the Early Management of Patients With Acute Ischemic Stroke: 2019 Update to the 2018 Guidelines for the Early Management of Acute Ischemic Stroke: A Guideline for Healthcare Professionals From the American Heart Association/American Stroke Association. *Stroke*. 2019Oct30;50(12).
12. Usman FS, Tanasal A, Soetanto GW, Ramadhoni PD, Utomo TY, herawan, et al. New Paradigm in Ischemic Stroke Management with Neurointervention Approach. *JNEVI Journal of Neurovascular Intervention*. 2019Aug20;1(2).
13. Crummy AB, Strother CM, Mistretta CA. The History of Digital Subtraction Angiography. *Journal of Vascular and Interventional Radiology*. 2018;29(8):1138–41.
14. Choo Y-H, Jung Y-J, Chang C-H, Kim J-H. Efficacy of dual antiplatelet therapy as premedication before diagnostic cerebral digital subtraction angiography. *Journal of Cerebrovascular and Endovascular Neurosurgery*. 2019;21(3):131.
15. Ryu J, Lee KM, Kim H-G, Choi SK, Kim EJ. Diagnostic performance of high-resolution vessel wall magnetic resonance imaging and digital subtraction angiography in intracranial vertebral artery dissection. *Diagnostics*. 2022;12(2):432.
16. Putranto TA, Yusuf I, Murtala B, Wijaya A. Intra Arterial Heparin Flushing Increases Manual Muscle Test – Medical Research Councils (MMT-MRC) Score in Chronic Ischemic Stroke Patient. *Bali Medical Journal*. 2016;5(2):25.
17. RSUD CAM Bekasi. Rekam Medik Pasien Stroke Iskemik. 2021
18. Favate AS, Younger DS. Epidemiology of Ischemic Stroke. *Neurologic Clinics*. 2016;34(4):967–80.
19. Sacco RL, Kasner SE, Broderick JP, Caplan LR, Connors JJ(B, Culebras A, et al. An Updated Definition of Stroke for the 21st Century. *Stroke*. 2013;44(7):2064–89.

20. Xing Y, Bai Y. A review of exercise-induced neuroplasticity in ischemic stroke: Pathology and mechanisms. *Molecular Neurobiology*. 2020;57(10):4218–31.
21. Puig B, Brenna S, Magnus T. Molecular communication of a dying neuron in stroke. *International Journal of Molecular Sciences*. 2018;19(9):2834.
22. Papazian I, Kyrargyri V, Evangelidou M, Voulgari-Kokota A, Probert L. Mesenchymal stem cell protection of neurons against glutamate excitotoxicity involves reduction of NMDA-triggered calcium responses and surface GluR1, and is partly mediated by TNF. *International Journal of Molecular Sciences*. 2018;19(3):651.
23. Rebai O, Amri M. Chlorogenic acid prevents AMPA-mediated excitotoxicity in optic nerve oligodendrocytes through a PKC and caspase-dependent pathways. *Neurotoxicity Research*. 2018;34(3):559–73.
24. Amico-Ruvio SA, Paganelli MA, Abbott JA, Myers JM, Kasperek EM, Iacobucci GI, et al. Contributions by N-terminal domains to NMDA receptor currents. 2020;
25. Khoshnam SE, Winlow W, Farzaneh M, Farbood Y, Moghaddam HF. Pathogenic mechanisms following ischemic stroke. *Neurological Sciences*. 2017;38(7):1167–86.
26. Belov Kirdajova D, Kriska J, Tureckova J, Anderova M. Ischemia-triggered glutamate excitotoxicity from the perspective of glial cells. *Frontiers in Cellular Neuroscience*. 2020;14.
27. Yang J-L, Mukda S, Chen S-D. Diverse roles of mitochondria in ischemic stroke. *Redox Biology*. 2018;16:263–75.
28. Andrabi SS, Parvez S, Tabassum H. Ischemic stroke and mitochondria: Mechanisms and targets. *Protoplasma*. 2019;257(2):335–43.
29. Li P, Stetler RA, Leak RK, Shi Y, Li Y, Yu W, et al. Oxidative stress and DNA damage after cerebral ischemia: Potential therapeutic targets

- to repair the genome and improve stroke recovery. *Neuropharmacology*. 2018;134:208–17.
30. Zhang SR, Phan TG, Sobey CG. Targeting the immune system for ischemic stroke. *Trends in Pharmacological Sciences*. 2021;42(2):96–105.
31. Malone K, Amu S, Moore AC, Waeber C. The immune system and stroke: From current targets to future therapy. *Immunology and Cell Biology*. 2018;97(1):5–16.
32. Iadecola C, Buckwalter MS, Anrather J. Immune responses to stroke: Mechanisms, modulation, and therapeutic potential. *Journal of Clinical Investigation*. 2020;130(6):2777–88.
33. Uzdensky AB. Apoptosis regulation in the penumbra after ischemic stroke: Expression of pro- and antiapoptotic proteins. *Apoptosis*. 2019;24(9-10):687–702.
34. Chugh C. Acute ischemic stroke: Management approach. *Indian Journal of Critical Care Medicine*. 2019;23(S2):140–6.
35. Konukoglu D, Uzun H. Endothelial dysfunction and hypertension. *Advances in Experimental Medicine and Biology*. 2016;:511–40.
36. Geovanini GR, Libby P. Atherosclerosis and inflammation: Overview and updates. *Clinical Science*. 2018;132(12):1243–52.
37. Poznyak AV, Nikiforov NG, Starodubova AV, Popkova TV, Orekhov AN. Macrophages and foam cells: Brief overview of their role, linkage, and targeting potential in atherosclerosis. *Biomedicines*. 2021;9(9):1221.
38. Libby P, Buring JE, Badimon L, Hansson GK, Deanfield J, Bittencourt MS, et al. Atherosclerosis. *Nature Reviews Disease Primers*. 2019;5(1).
39. Bukowska A, Hammwöhner M, Corradi D, Mahardhika W, Goette A. Atrial thrombogenesis in atrial fibrillation. *Herzschrittmachertherapie + Elektrophysiologie*. 2017;29(1):76–83.

40. Bukowska A, Felgendreher M, Scholz B, Wolke C, Schulte JS, Fehrmann E, et al. Crem-Transgene Mice: An animal model of atrial fibrillation and thrombogenesis. *Thrombosis Research*. 2018;163:172–9.
41. Pechlivani N, Ajjan RA. Thrombosis and vascular inflammation in diabetes: Mechanisms and potential therapeutic targets. *Frontiers in Cardiovascular Medicine*. 2018;5.
42. Shukla V, Shakya AK, Perez-Pinzon MA, Dave KR. Cerebral ischemic damage in diabetes: An inflammatory perspective. *Journal of Neuroinflammation*. 2017;14(1).
43. Chen R, Oviagele B, Feng W. Diabetes and stroke: Epidemiology, pathophysiology, pharmaceuticals and outcomes. *The American Journal of the Medical Sciences*. 2016;351(4):380–6.
44. Powers WJ, Rabinstein AA, Ackerson T, Adeoye OM, Bambakidis NC, Becker K, et al. Guidelines for the early management of patients with acute ischemic stroke: 2019 update to the 2018 guidelines for the early management of acute ischemic stroke: A guideline for healthcare professionals from the American Heart Association/American Stroke Association. *Stroke*. 2019;50(12).
45. Pieper MS, Araoz PA. Cardiac tumors. *Clinical Cardio-Oncology*. 2016;:77–90.
46. Rowlands GW, Pagani FD, Antaki JF. Classification of the frequency, severity, and propagation of thrombi in the heartmate II left ventricular assist device. *ASAIO Journal*. 2020;66(9):992–9.
47. Rowlands GW, Pagani FD, Antaki JF. Classification of the frequency, severity, and propagation of thrombi in the heartmate II left ventricular assist device. *ASAIO Journal*. 2020;66(9):992–9.
48. Alkarithi G, Duval C, Shi Y, Macrae FL, Ariëns RAS. Thrombus structural composition in cardiovascular disease. *Arteriosclerosis, Thrombosis, and Vascular Biology*. 2021;41(9):2370–83.

49. Sporns PB, Hanning U, Schwindt W, Velasco A, Minnerup J, Zoubi T, et al. Ischemic stroke. *Stroke*. 2017;48(8):2206–10.
50. Koka A, Suppan L, Cottet P, Carrera E, Stuby L, Suppan M. Teaching the National Institutes of Health Stroke Scale to Paramedics (e-learning vs video): Randomized Controlled Trial. *Journal of Medical Internet Research*. 2020;22(6).
51. Bittmann F, Dech S, Aehle M, Schaefer L. Manual muscle testing—force profiles and their reproducibility. *Diagnostics*. 2020;10(12):996.
- Hanson SR, Tucker EI, Latour RA. Blood coagulation and blood–material interactions. *Biomaterials Science*. 2020;:801–12.
52. Utomo, Tranggono Yudo. "SEREBRAL DAN SPINAL DIGITAL SUBTRACTION ANGIOGRAPHY." *Jurnal Kedokteran Universitas Palangka Raya* 9.1 (2021): 1232-1242.
53. Mulloy B, Hogwood J, Gray E, Lever R, Page CP. Pharmacology of heparin and related drugs. *Pharmacological Reviews*. 2015;68(1):76–141.
54. Turana Y, Teng kawan J, Chia YC, Nathaniel M, Wang JG, Sukonthasarn A, et al. Hypertension and stroke in Asia: A comprehensive review from hope Asia. *The Journal of Clinical Hypertension*. 2020;23(3):513–21.
55. Girijala RL, Sohrabji F, Bush RL. Sex differences in stroke: Review of current knowledge and evidence. *Vascular Medicine*. 2016;22(2):135–45.
56. Wang S, Shen B, Wu M, Chen C, Wang J. Effects of socioeconomic status on risk of ischemic stroke: A case-control study in the Guangzhou Population. *BMC Public Health*. 2019;19(1).
57. Balla Abdalla TH, Rutkofsky IH, Syeda JN, Saghir Z, Muhammad AS. Occupational physical activity in young adults and stroke: Was it due to my job? *Cureus*. 2018;
58. Kotłęga D, Gołąb-Janowska M, Masztalewicz M, Cieciewicz S, Nowacki P. The emotional stress and risk of ischemic stroke.

- Neurologia i Neurochirurgia Polska. 2016;50(4):265–70. Kim LJ, Coelho FM, Tufik S, Andersen ML. Short sleepers or sleep deprivation: Finding the real risk factor for ischemic stroke. *Sleep Medicine*. 2014;15(4):480.
59. Kim LJ, Coelho FM, Tufik S, Andersen ML. Short sleepers or sleep deprivation: Finding the real risk factor for ischemic stroke. *Sleep Medicine*. 2014;15(4):480.
60. Loprinzi PD, Addoh O. Accelerometer-determined physical activity and all-cause mortality in a national prospective cohort study of adults post-acute stroke. *American Journal of Health Promotion*. 2017;32(1):24–7.
61. Weisel JW, Litvinov RI. Visualizing thrombosis to improve thrombus resolution. *Research and Practice in Thrombosis and Haemostasis*. 2021;5(1):38–50.
62. Arrarte Terreros N, Tolhuisen ML, Bennink E, de Jong HWAM, Beenen LFM, Majoie CBLM, et al. From perviousness to permeability, modelling and measuring intra-thrombus flow in acute ischemic stroke. *Journal of Biomechanics*. 2020;111:110001.